

GONENKO, G.A.
SMOLKIN, G.M., kand. tekhn. nauk; ASTAKHOV, A.I., inzh.; DANILICHES, V.N.,
inzh.; GONENKO, G.A.

Increasing the economic efficiency of engines by means of disconnecting separate cylinders. Sbor. st. ChPI no.10:19-23 '57. (MIRA 11:1)
(Automobiles--Engines--Cylinders)

FISHELEVICH, M.A., veterinarnyy vrach; GONENKOV, G.I.

Chlorophos in warble fly infestations in cattle. Veterina-
ria 37 no.4: 77-79 Ap'60. (MIRA/16:6)

1. Belorusskaya veterinarnaya bakteriologicheskaya labora-
toriya (for Fishelevich). 2. Glavnyy veterinarnyy vrach
Minskogo rayona (for Goyenkov).
(CHLOROPHOS) (WARBLE FLIES)

GONERA, Henryk, mgr. inz.; HUCHAŃSKA, Elżbieta, mgr inz.

Contribution to research on the use of reed and straw chemical pulps in the production of printing and writing paper. Przegl
papier 20 no.8 1966-259 Ag 164

1. Pulp and Paper Institute. Łódź.

TADLEWSKI, E.; BAJOREK, J.; GONERKO, I.

Analysis of causes of premature labor in the Obstetrical Clinic of the
Pomeranian Academy of Medicine. Ginek. pol. 33 no.6:829-834 '62.

1. Z Kliniki Poloznictwa i Chorob Kobiecych PAM w Szczecinie Kierownik:
prof. dr med. T. Zwolinski.

(INFANT PREMATURE)

GONET, B.

(3)

674.031.326.28 : 678.1.06

2661

Krzesik, F., Gonet, B. Physical and Mechanical Properties of Timber
from Certain Poplar Species and Crosses.

"Fizyczne i mechaniczne właściwości drewna niektórych gatunków
i krzyżówek topoli". Sylwan. No. 1, 1953, pp. 28-41, 5 figs., 6 tabs.

A survey of results reached on the basis of Polish and foreign
studies over the appraisal of the value of 6 poplar species and cro-
sses for the cellulose industry. Studies were carried out on rapidity of
increment, output of cellulose and the so-called excellence value
characterizing the tensile strength of the cellulose mass obtained. It
was proved that *Populus deltoidea* is, at 20 year cutting periods, the
most highly recommended species, but longer periods of growth would
make it possible to obtain both thicker varieties for mechanical work-
ing and thinner ones for chemical processing.

Polish Technical Abst.
No. 1 1954
Agriculture, Food Processing
Industry, Forestry, Fisheries

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Govt. B.

POL

3148

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, BOLES LAW

POLAND/Chemical Technology - Chemical Products and Their
Application, Part 4, - Cellulose and Its
Derivatives, Paper.

H-33

Abs Jour : Ref Zhur - Khimiya, No 14, 1958, 48968
Author : Boleslaw Gonet
Inst :
Title : Physico-Chemical Changes in Wood During Parboiling.
Orig Pub : Przem. drzewny, 1957, 8, No 7, 18-20.

Abstract : A description of the hydrothermal processing of wood is
presented; its effect on the physico-chemical properties
of wood pulp is described.

Card 1/1

GONET, Boleslaw; KRZYSIK, Franciszek; SZMIT, Jerzy

Preliminary studies on the influence of steaming upon the subsequent drying and impregnation of beech railway crossties. Sylwan 104 no.2:1-16 F '60.

GONET, Boleslaw; KRZYSIK, Franciszek; SZMIT, Jerzy

The fall-winter seasonal conversion and the subsequent course
of seasoning and impregnability of beech railway crossties.
Sylwan 104 no.4:1-9 Ap '60.

GONET, Edward, mgr.,inz.

Development trends in the construction of transit shed equipment applied in open storehouses. Przegl mech zl no.6:179-181 '62.

1. Stowarzyszenie Inżynierów i Techników Mechaników Polskich, Centralne Biuro Konstrukcji Maszynowych, Bytom

GONET, T.

Initial foundations for a long-term plan of development of the milling industry.

P. 9. (PRZEGLAD ZBOZOWO-MLYNARSKI) (Warszawa, Poland) Vol. 2, no. 1, Jan. 1958

SO: Monthly Index of East European Accession (EEAI) LC Vol. 7, No. 5, 1958

GONET, Tadeusz, (Warszawa); WOROCH, Stanislaw (Warszawa)

Basic problems connected with the development of the milling industry
in Poland. Przem spoz 15 no.10:14-20 '61.

2025 RELEASE UNDER E.O. 14176

GONEYM, F.B.; BALANDIN, A.A.; SLOVOKHOTOVA, T.A.

Kinetics of ethane hydrogenolysis on a Ru-SiO₂ catalyst. Izv.
AN SSSR. Ser. khim. no.11:1905-1910 N '63. (MIRA 17:1)

1. Moskovskiy gosudarstvennyy universitet imeni Lomonosova.

GONFALON'YERI, Luidzhi (Italiya)

Let's make a trip to the moon. Tekh.mel. 30 no.11:20-22 '62.
(MIRA 16:9)
(Space flight to the moon)

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000516010020-6

GONGADZE, D. N. (David Nikolayevich)

Dissertation: "Certain Problems of the Formation and Movement of Snow Avalanches in the Caucasus." Cand Phys-Math Sci, Tbilisi State U, Tbilisi, 1953. (Referativnyy Zhurnal--Geologiya/Geografiya, Moscow, Aug 54)

SO: SUM 393, 28 Feb 1955

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CIA-RDP86-00513R000516010020-6"

GONGADZE, D.N.

"Some Questions of the Theory of Formation and Motion of Snow Slides"
Tr. In-ta Geofiz. AN Gruz SSR, Vol 13, 1954, 161-174 (Georgian resume)

The author analyzes mathematically the stability of a snow cover in dependence upon its thickness, geometric parameters of slope, cohesive forces in the snow mass, and specific gravity. He calculate the motion of a snow slide, taking into account its growing mass on the way down. He calculates the striking force of a snow slide against an immobile obstacle, making several simplifying assumptions. (RZhMekh, No 9, 1955)

GORGADZE, D.N., PAPINASHVILI, L.K.

Calculating the impact of an avalanche on an immovable obstacle.
Sob. AN Gruz. SSR 16 no. 6:437-442 '55. (MIRA 9:2)

1. Akademiya nauk Gruzinской SSR, Institut geofiziki, Tbilisi.
Predstavlene deystvitel'nye chlenom Akademii K.S.Zavriyevym.
(Impact) (Avalanches)

S/137/62/000/007/045/072
A057/A101

AUTHORS: Gongadze, D. N., Bokuchava, I. T.

TITLE: On recrystallization of solid nickel-manganese solutions

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 7, 1962, 43, abstract 71245
("Tr. Cruz. politekhn. in-t", 1961, no. 6 (77), 123 - 129;
Georgian summary)

TEXT: Alloys of electrolytic Ni and Mn, containing 0 - 25.6% wt. Mn smelted in a high-frequency furnace under flux, were forged at 1,000°C and homogenized by annealing at 900°C during 10 hrs. Microstructures of the alloys were investigated, and microhardness, electric resistance and the lattice constant were measured. Diagrams of the dependence of these characteristics upon the concentration are presented. The alloys with 3.6, 17.8 and 25.6% Mn were rolled into strips of a thickness of 0.025 - 0.035 mm (shrinkage 98%), tempered in salt baths at temperature up to 650°C with holding times 10, 20, 30 and 60 min. and quenched in water. The microhardness was measured and the process of recrystallization investigated by X-ray analysis. The temperatures of the beginning and

Card 1/2

On recrystallization of...

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A057/A101

end of recrystallization were determined, as well as the activation energy Q of recrystallization. The dependence of the value of Q upon the concentration is discussed in connection with the change in the surface energy of crystallites and forces of interatomic bonds and the formation of distortions in the Ni lattice when alloyed with Mn, as well as in connection with phase transitions in the Ni-Mn system.

A. Babareko

[Abstracter's note: Complete translation]

Card 2/2

GONGADZE, R.

Representation of integers by certain quadratic forms with four
variables. Soob. AN Gruz. SSR 28 no.4:385-392 Ap '62.
(MIRA 18:1)

1. Tbilisskiy gosudarstvennyy universitet. Submitted May 6, 1961.

GONGLADZE, I.O., inzh.

Brine coils made with glass tubes for wine storage rooms. Khol.tekh. 39
no.4:47 Jl-Ag '62. (MIRA 17:2)

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000516010020-6

GONGADZE, P. (Tbilisi)

The number of progressive workers is growing. Sov.torg. 34 no.5:
45 My '61. (Tbilisi - Department stores) (MIRA 14:5)

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"APPROVED FOR RELEASE: 06/13/2000

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GONGADZE, P. (Tbilisi)

Public inspection in action. Sov. torg. 35 no.6:23-24 Je '62.
(MIRA 15:7)
(Chiatur district—Retail trade)

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CIA-RDP86-00513R000516010020-6"

GONGAN, Eremie

What insures the resistance of the parts. Constr Buc 16
no.737:2 22 F'64.

S/081/62/000/024/006/052
B108/B186

AUTHORS: Vîntu, V., Gongea, V.

TITLE: The interrelationship between the structure of α -n-alkyl naphthalenes and their solubility in furfural

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 24, 1962, 720 - 721,
abstract 24M178 (Bul. Inst. petrol, gaze si geol., v. 7, 1961,
123 - 139 [Rum.; summaries in Russ. and Eng.])

TEXT: For the study of the selective extraction of oils by furfural (I),
the solubility curves and binodal curves in the triangular diagrams were
determined for the following systems: α -n-octyl naphthalene - n-hexadecane-
I; α -n-dodecyl naphthalene - n-tetracosane - I; α -n-hexadecyl naphthalene-
n-tetracosane - I... The dependence of the solubility curves on the length
of the alkyls of the alkyl naphthalenes is demonstrated. Conclusions are
drawn as to the content of alkyl naphthalenes in the extracts obtained by
furfural refining of oils. [Abstracter's note: Complete translation.]

Card 1/1

KAVKASIDZE, R.P.; GONGLADZE, N.Sh.

Bioclimatic characteristics of the sea-shore health resorts
of the Adzhar A.S.S.R. Sbor. trud. Gos. nauch.-issl. inst.
kur. i fizioter. 26:99-11 '63.

Microclimatic characteristics of the beach at the Gagra health
resort. Ibid.:113-122 (MIRA 17:5)

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000516010020-6

KORDZAKHIYA, M.O.; KAVKASIDZE, R.P.; GONGLADZE, N.Sh.

Climate and microclimate of the Mendzhi health resort. Sbor.
trud. Gos. nauch. issl. inst. kur. i fizioter. 26:123-126 '63.
(MIRA 17:5)

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CIA-RDP86-00513R000516010020-6"

GONGLIASHVILI, A. N., Cand Tech Sci -- (diss) "Cathodic Precipitation of Iron from ^{Sulfuric Acid} Electrolyte," Tbilisi, 1957. 16 pp
(Min of Higher Education USSR, Order of Labor Red Banner Georgian Polytechnic Inst im S. M. Kirov), 100 copies (KL, 51-57, 92)

137-58-6-11606

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 6, p 52 (USSR)

AUTHORS: Agladze, R.I., Gongliashvili, A.N.

TITLE: Electrolytic Recovery of Iron from Sulfate Solutions (Polucheniye zheleza elektrolizom iz sernokislykh rastvorov)

PERIODICAL: Tr. In-ta metalla i gorn. dela. AN Gruz SSR, 1957, Vol 8,
pp 179-191

ABSTRACT: A description is offered of experiments in cathodic precipitation of Fe from FeSO_4 solution with soluble (steel, iron) and insoluble (Pb) anodes. The experiments studied the influence of current density, the strengths of the FeSO_4 and $\text{Fe}_2(\text{SO}_4)_3$, the acidity of the electrolyte, and the duration of the experiment on the process of electrolysis, the quality of the precipitate, and the unit consumption of electric power. It is established that the current efficiency for Fe from boiling solution containing 200 g FeSO_4 /liter, is 93-97%; the power consumption per kg cathode-deposited metal is 1.5-2 kwh with soluble and 3-5 kwh with insoluble anodes. The performance of electrolysis with iron anodes, producing a constant increase in the deposit of metal on the cathode, is possible only if partitions

Card 1/2

137-58-6-11606

Electrolytic Recovery of Iron from Sulfate Solutions

are present in the bath and the electrolyte is in constant circulation and is filtered and corrected as to composition. With increasing current density the anode current efficiency diminishes. Regulation of anode current density permits performance of processes of anodic dissolution and cathodic precipitation of Fe with equal current efficiency.

V.K.

1. Iron--Precipitation 2. Electrolytes--Properties 3. Anodes (Electrolytic cell)
--Materials 4. Anodes (Electrolytic cell)--Test results

Card 2/2

GONGLASHVILI, A.N.

18

PHASE I BOOK EXPLOITATION

SOV/5277

Akademiya nauk Gruzinskoy SSR. Institut prikladnoy khimii i elektro-tehniki.

Trudy, t. 1 (Academy of Sciences of the Georgian SSR. Institute of Applied Chemistry and Electrochemistry. Transactions) v.1. Tiflis, 1960.
186 p. Errata slip inserted.

Personalities cannot be established in Georgian writing.

PURPOSE: This collection of articles is intended for mineralogists, metallurgists, and mining specialists.

COVERAGE: The collection contains articles concerning recent research on methods for treating antimony- and arsenic-bearing ores and carbonate ores of manganese. Research on the electrochemical properties of certain ores and their electrodeposition is also discussed. The collection includes

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Institute of Applied Chemistry (Cont.)

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studies on the corrosion and electrical properties of certain alloys, studies of the properties of certain cements and cement components, and studies of certain phases of the cement production process. The following personalities are mentioned: Professor N. A. Figurovskiy and his scientific assistant T. B. Gavrilova (p. 118, bottom); R. I. Agladze, Academician, AN GSSR (AS Georgian SSR) (p. 150); S. D. Dzhaparidze and N. I. Lagidze (p. 171). The articles which are written in Georgian are followed by a résumé in Russian. References accompany each article.

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Card 245

Institute of Applied Chemistry (Cont.)

SOV/5277

9. Purtseladze, Kh. G., G. D. Chachanidze, and A. A. Tivadze.
Determination of the Dimensions of Particles of Certain
Products From the Chemical Treatment of Carbonate Ores
of Manganese 117
10. Agladze, R. I., V. N. Gaprindashvili, and S. N. Basanova.
Production of Arsenic Trisulfide 125
11. Gaprindashvili, V. N. Problems in the Cementation of
Antimony From Alkali-Sulfide Solutions 131
12. Gongliashvili, A. N. Some Problems in the Electrodeposition
of Iron From Sulfuric-Acid Solutions 139
13. Gogicheva, Kh. I., and R. A. Pirumova. Investigation to De-
velop a Method for Producing Caustic Dolomite from Regional
Dolomite 153

Card 475

GONGLIASHVILI, A.N.

Certain aspects of the electrodeposition of iron from sulfate
solutions. Trudy Inst. prikl. Khim. i elektrokhim. AN Grus.
SSR no.1:139-151 '60. (MIRA 14:2)

(Iron plating)

KUPERMAN, G.M.; GOGORISHVILI, P.V.; ZARKUA, N.P.; GONGLASHVILI, A.N.

Extraction of copper from sulfide ores by the autoclave method.
Soob.AN Gruz.SSR 25 no.5:533-538 N '60. (MIRA 14:1)

1. Akademiya nauk GruzSSR, Institut khimii imeni P.G.Melikishvili,
Tbilisi. Predstavлено членом-корреспондентом Академии Г.В.
TSITSISHVILI.

(Copper-Metallurgy)

KUPERMAN, G.M.; GOGORISHVILI, P.V.; GONGLIASHVILI, A.N.; ZARKUA, N.P.

Preparation by the autoclave method of a solution of zinc sulfate from a concentrate of the Kvaisi sulfide ore deposit.
Trudy Inst.khim.AN Gruz.SSR 16:9-13 '62. (MIRA 16:4)
(Zinc sulfate) (Kvaisi region--Sulfide ores)

GONGLIASHVILI, A.N.

Extraction of copper from sulfide ores. Soob. AN Gruz. SSR
29 no. 4:405-412 O 162
(MIRA 19:1)

1. Institut khimii imeni Melikishvili AN GruzSSR, Tbilisi.
Submitted July 14, 1961.

KASHAKASHVILI, N.V., prof., otv.red.; GAMBASHIDZE, R.B., kand.nauk, otv.
red.; AGLADZE, R.I., prof., red.; BERIDZE, V.M., prof., red.;
GIGINEYSHVILI, K.M., red.; GOMLASHVILI, T.B., kand.nauk, red.;
TAVADZE, F.I., prof., red.; KSKELIDZE, M.A., doktor nauk, red.;
MIKELADZE, G.Sh., kand.nauk, red.; NADIRADZE, Ye.M., kand.nauk,
red.

[Metallurgical terminology] Metallurgicheskaja terminologija.
Otv.red.N.V.Kashakashvili i R.B.Gambashidze. Tbilisi, 1959.
324 p.

1. Akademija nauk Gruzinskoy SSR, Tiflis. Institut jazykoznanija.
(Metallurgy--Dictionaries)
(Russian language--Dictionaries--Georgian)
(Georgian language--Dictionaries--Russian)

MAKAROCHKIN, B.A.; YES'KOVA, Ye.M.; GONIBESOVA, K.A.

Yttrium aeschynite from the Il'men Mountains. Trudy Inst. min.,
Geokhim. i kristallokhim. red. elem. no. 3:145-150 '59.
(MIRA 14:5)

(Il'men Mountains—Aeschynite) (Yttrium)

MAKAROCHKIN, B.A.; GONIRESOVA, K.A.; MAKAROCHKINA, M.S.

Chevkinite in the Il'men Mountains. Zap. Vses. min. ob-va 88 no.5:
547-553 '59. (MIRA 13:2)

1. IL'menskiy zapovednik.
(Il'men Mountains--Chevkinite)

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MAKAROCHKIN, B.A.; GONIBESOVA, K.A.; MAKAROCHKINA, M.S.

Perrierite, a "new mineral." Trudy Min. muz. no.11:184-186 '61.
(MIRA 16:7)

(Perrierite)

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CIA-RDP86-00513R000516010020-6"

MAKAROCHKIN, B.A.; FRANK-KAMENETSKIY, V.A.; GONIRESOVA, K.A.

Microlite. Geol. i geofiz. no.7:126-131 '64.

(MIRA 18:8)

1. Gorno-Altayskiy pedagog.cheskiy institut i Leningradskiy
gosudarstvennyy universitet.

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CIA-RDP86-00513R000516010020-6

MAKAROCHKIN, B.A.; GONIBESOVA, K.A.; MAKAROCHKINA, M.S.

Hlomstrandite. Zap. Vaes. min. Ob-va 93 no.1:54-59 '64
(MIRA 18:2)

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CIA-RDP86-00513R000516010020-6"

GONIK, A.; KRAVCHENKO, I.

All-union conference on the adsorption of surfactants and
its significance in petroleum production. Neft. khoz. 42
no.7:70-71 Jl '64. (MIRA 17:8)

GONIK, A.A.

Effect of surface-active substances inhibiting hydrogen sulfide corrosion on the selective wetting of iron in the two-phase system electrolyte - hydrocarbon. Dokl. AN SSSR 152 no. 5:1181-1184 O '63. (MIRA 16:12)

1. Ufimskiy neftyanoy nauchno-issledovatel'skiy institut.
Predstavлено академиком P.A.Rebinderom.

GONIK, A. A.

Lumber - Transportation

Block floats as constructed by N. K. Zaytsev. Les. prom. 11 no. 7, 1951.

9. Monthly List of Russian Accessions, Library of Congress, December, 1952¹⁹⁵³. Unclassified.

GONIK, A.A.; SHAKHOVA, L.I., red. izd-va; VOLKHOVSKIY, R.S., tekhn. red.

[VTU-3 aerial skidder with a lifting capacity of 3 tons; "Forestry and Lumber" pavilion] Vozdushno-trelevochnaya ustanovka gruzopod'-emnost'iu 3 t VTU-3; Pavil'on lesnaya promyshlennost' lesnoe khozaiystvo. [Moskva] M-vo lesnoi promyshlennosti [1956] 10 p.

(MIRA 11:10)

1. Moscow. Vsesoyuznaya promyshlennaya vystavka.
(Lumber---Transportation) (Cableways)

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000516010020-6

GONIK, A.A.; ZOTOV, G.A.; ROKHLENKO, D.B.; GATSKEVICH, V.A., red.

[Profitable types of rafts] Rentabel'nye tipy plotov. [Moskva]
M-vo lesnoi promyschl. SSSR [1957] 12 p.
(Lumber--Transportation) (MIRA 11:11)

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CIA-RDP86-00513R000516010020-6"

NAFEDOV, Sergey Ivanovich; GONIK, A.A., retsenzent; NEVSKIY, Ye.G., retsenzent;
SHCHERBINSKIY, Ya.N., redaktor; SORYUMOVA, L.K., redaktor izdatel'-
stva; KARASIK, N.P., tekhnicheskiy redaktor

[Tackle for floating lumber] Takelazhnoe khozimistvo na lesoplave.
Moskva, Goslesbumizdat, 1957. 213 p. (MLRA 10:10)
(Lumber--Transportation)

GONIK A. A.

SOV/124-58-5-5381

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 5, p 61 (USSR)

AUTHOR: Gonik, A.A.

TITLE: On the Water Resistance to the Motion of Cigar-shaped Rafts
(K voprosu o soprotivlenii vody dvizheniyu sigaroobraznykh
plotov)

PERIODICAL: Sb. nauchn. tr. Tsentr. n.-i. in-t lesosplava; 1957, Nr 2,
pp 181-199

ABSTRACT: An investigation is made of the influence on water resistance
to the motion of a raft exerted by the manner in which its com-
ponent logs are tied together. Water resistance decreases as:
1) the specific gravity of the wood decreases, 2) the tightness of
its stacking increases, 3) the ratio of the overall beam of the
raft to its thickness decreases, 4) the raft's rate of taper in-
creases.

V.D. Sokolov

1. Wood--Transportation 2. Wood--Hydrodynamic characteristics

Card 1/1

GONIK, A.A., starshiy nauchnyy sotrudnik

Effect of wind and waves on the speed of towing cigar-shaped
rafts. Sbor. nauch. trud. po lesospl. no.2:207-219 '57.

(Towing) (Lumber--Transportation)

(MIRA 11:7)

GONIK, A.A., Cand Tech Sci — (diss) "Study of the transportation qualities of cigar-shaped sea floats." Len, 1959, 9 pp (Min of Higher Education USSR. Len Order of Lenin Forestry Acad ^{Engineering} im S.M. Kirov) 150 copies (KL, 20-59, 126)

- 51 -

GONIK, Aleksey Alekseyevich; PODOPRIGORA, A.A., red.; GORYUNOVA, L.K.,
red.izd-va; PARAKHINA, N.L., tekhn.red.

[Seagoing rafts] Morskie ploty. Moskva, Goslesbumizdat,
1959. 199 p. (MIRA 13:2)
(Lumber—Transportation)

BORISOV, Ivan Gavrilovich, dots., kand. tekhn. nauk; SHARPOV, N.I., kand. tekhn. nauk, retsenzent; GONIK, A.A., starshiy nauchnyy sotr., retsenzent; SOYUZOV, A.A., doktor tekhn. nauk, prof., red.; LOBANOV, Ye.M., red. izd-va; YERMAKOVA, T.T., tekhn. red.

[Organization of the transportation of lumber on inland waterways] Organizatsiya perevozok lesa na vnutrennikh vodnykh putiakh. Izd.2., perer. i dop. Moskva, Izd-vo "Rechnoi transport," 1959. (MIRA 14:10).
254 p.

(Lumber—Transportation) (Inland water transportation)

GONIK, A.A.

> Internal corrosion of pipelines by corrosive casing-head gases.
Gas.prom. 5 no.3:41-46 Mr '60. (MIRA 13:6)
(Pipelines--Corrosion) (Gas, Natural)

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GONIK, A.A.

Investigating metal corrosion in caustic media of oil field gas
pipes. Gas.prom. 5 no.4;41-47 Ap '60. (MIRA 13;8)
(Gas pipes—Corrosion) (Condensate oil wells)

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CIA-RDP86-00513R000516010020-6"

GONIK, A.A., kand.tekhn.nauk

Over-all mechanization and automation of operations on landing grounds and in timber transshipment. Mekh.i avtom.proizv. 14 no.12:16-20 D '60. (MIRA 13:12)
(Lumbering--Machinery--Technological innovations) (Automation)

S/020/60/135/003/038/039
B016/B054

AUTHOR: Gonik, A. A.

TITLE: Effect of Surface-active Additions on Iron Corrosion in the
Two-phase System Electrolyte - Hydrocarbon

PERIODICAL: Doklady Akademii nauk SSSR, 1960, Vol. 135, No. 3,
pp. 671 - 674

TEXT: The author reports on his attempts to find efficient means against corrosion of iron gas lines by condensing liquid. In a previous paper (Ref.1), he disclosed the causes of such corrosion. The liquid consists of two phases: an aqueous (electrolyte), and a hydrocarbon phase. Within the latter phase, the metal surface is made hydrophilic by an electrolyte film, and corrodes due to the presence of H₂S. High-molecular aliphatic amines and diamines in concentrations of 0.001 - 0.1% proved to be suitable protectives. They should be soluble in hydrocarbons. The preparations used were: non-ionogenic preparation $\text{YF}_{169}^3 8.5$ ($\text{UF}_{169}^E 8.5$);

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cation-active preparations: Арквад-T50 and -2S (Arkvad-T50 and -2S), Думин-T-dioleate (Doumin-T-dioleate), ПАВ (PAV), Армин-С (Armin-S), and Армак-С (Armak-S). For comparison, formaldehyde was also tested but did not show the desired effect. The preparations were supplied by the Moskovskiy filial Vsesoyuznogo nauchno-issledovatel'skogo instituta zhirov (Moscow Branch of the All-Union Scientific Research Institute of Fats). Fig.1 shows the effect of water-soluble additions on corrosion in the system electrolyte - hydrocarbon, Fig.2 the change in selective wetting with time as dependent on the concentration of the surface-active substance, Fig.3 the effect of the preparations mentioned on the resistance of iron ст.-3 (st.-3). The best results were obtained with Armak-S, Armin-A, Doumin-T-dioleate, and Arkvad-2S. From these data, the author concludes that the total effect of corrosion inhibition was very high, even at low concentrations of the surface-active preparations; corrosion was retarded to 1/40 - 1/60 of the original rate. Many phenomena accompanying corrosion without additions were missing. A very thin, transparent, poorly wettable film, on which the hydrophobia of iron was based, formed in the inhibitor-containing medium on the iron

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Effect of Surface-active Additions on Iron Corrosion in the Two-phase System Electrolyte - Hydrocarbon

S/020/60/135/003/038/039
B016/B054

surface. Corrosion was also reduced in the aqueous phase. The protective action of the preparations mentioned was still better in the gas lines than in the experiment. There are 4 figures and 9 references: 7 Soviet, 1 US, and 1 British.

ASSOCIATION: Ufimskiy neftyanoy nauchno-issledovatel'skiy institut
(Ufa Petroleum Scientific Research Institute)

PRESENTED: June 3, 1960, by P. A. Rebinder, Academician

SUBMITTED: June 1, 1960

Card 3/3

S/020/60/135/002/030/036
B016/B052

AUTHOR: Gonik, A. A.

TITLE: Iron Corrosion in the Presence of Hydrogen Sulfide in the
Two-phase System Electrolyte - Hydrocarbon

PERIODICAL: Doklady Akademii nauk SSSR, 1960, Vol. 135, No. 2,
pp. 381-384

TEXT: The author studied the corrosion of gas pipes made of Cr - 3 (st-3) iron. These pipes which are used to convey H₂S containing gas produced in petroleum refining corrode to such an extent that they become useless after 10-12 years. At deep points, the liquid condensate settles and destroys the pipes within a few months (Ref. 2). Samples of the condensate have shown that it consists of two immiscible liquids, viz., a lower, aqueous phase (electrolyte), and an upper phase containing carbon. The aqueous phase has a pH of 2.0 - 3.0 and contains up to 700 mg/l of H₂S, and 2000-3000 mg/l of salts which largely consist of ions of divalent iron and sulfate. The hydrocarbon phase contains light

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Iron Corrosion in the Presence of Hydrogen
Sulfide in the Two-phase System Electrolyte -
Hydrocarbon

S/020/60/135/002/030/036
B016/B052

gasoline, up to 1000 mg/l of H₂S, and 0.01 % of water. Besides the metal corrosion by gas, the author also determined another corrosion which proceeds more rapidly and is caused by a liquid. Against all expectations, the most intensive corrosion takes place in the hydrocarbon phase. Fig. 1 shows an iron sample which was brought into contact with the two immiscible liquids mentioned above. A thick FeS layer settled on the upper part of the sample which was in the hydrocarbon phase. Under it there lies a largely corroded metal surface. Without H₂S no corrosion would take place here if there were no contact with the electrolyte. Fig. 2 shows the curves: corrosion-versus-time and corrosion rate-versus-time for the two H₂S containing liquids. These curves indicate that in the first stage the metal corrodes mainly in the aqueous phase (in a weakly acid electrolyte). In the second stage, the corrosion of the metal increases considerably, due to the corrosion in the hydrocarbon phase. The corrosion increases when the FeS layer on the upper part of the sample is formed. The corrosion rate of iron is much higher in the system electrolyte - hydrocarbon than in the separate liquids. The author's

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Iron Corrosion in the Presence of Hydrogen
Sulfide in the Two-phase System Electrolyte -
Hydrocarbon

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experiments showed that the development of the corrosion process in the presence of H₂S is closely related to the selective moistening of the iron surface when it comes into contact with the two immiscible liquids. With H₂S in the electrolyte, the iron surface becomes much more hydrophilic than without H₂S. Thus, an electrolyte film and a loose FeS layer settle on the iron in the hydrocarbon phase. From the electrolyte the aqueous phase infiltrates into this layer and corrodes the iron. Finally, the author describes the polarization processes in the system FeS - Fe and the possible depolarization by atmospheric oxygen, which also contribute to corrosion. There are 4 figures and 9 references: 8 Soviet and 1 Italian.

ASSOCIATION: Ufimskiy neftyanoy nauchno-issledovatel'skiy institut (Ufa Petroleum Scientific Research Institute)

PRESENTED: June 3, 1960, by P. A. Rebiner, Academician

SUBMITTED: June 1, 1960

Card 3/3

GONIK, A.A.; TIKHOVA, Ye, M.

Use of emulsifying detergent solutions for cleaning the inner
surfaces of petroleum pipelines prior to their painting.

Lakokras. mat. i ikh prim. no.3:39-42 '61. (MIRA 14:6)

(Cleaning compounds)
(Petroleum--Pipelines)

GONIK, A.A., nauchn. red.; BAKLASHOVA, R.A., red.; YEGOROVA, Ye.M.,
red.

[First-stage floating of lumber by the patrolled distance
method] Pervonachal'nyi splav lesa distantsionno-
patrul'nym sposobom; sbornik. Moskva, 1963. 29 p.
(MIRA 17:8)

1. Moscow. TSentral'nyy nauchno-issledovatel'skiy institut
informatsii i tekhniko-ekonomicheskikh issledovaniy po les-
noy, tsellyulozno-bumazhnoy, derevoobrabatyvayushchey pro-
myshlennosti i lesnomu khozyaystvu.

DMITRIYEV, Yury Yakovlevich, kand. tekhn. nauk; KOZLENKOV,
Nikolay Ivanovich, inzh.; GONIK, A.A., red.; KALININA,
L.M., red. izd-va; AKOPOVA, V.M., tekhn. red.

[Hydraulic accelerators for moving lumber] Gidravlichеские
uskoriteli dvizheniya lesa. Moskva, Goslesbumizdat, 1963.
90 p. (MIRA 17:1)

GAVRILOV, Ye.N., inzh.; GONIK, A.A., kand. tekhn. nauk; DONSKOY, I.P., kand. tekhn. nauk; ZHUKOV, G.A., inzh.[deceased]; LAZAREV, M.P., inzh.; NEFEDOV, S.I., inzh.; PETROV, Ya.P., kand. tekhn. nauk; SAVEL'YEV, V.V., kand. tekhn. nauk; FILIMONOV, S.S., inzh.; SHUL'TS, G.F., kand. tekhn. nauk; ZOTOV, N.V., inzh., retsenzent; ORLOV, N.N., inzh., otv. red.; KOZLOV, A.D., red.izd-va; AKOPOVA, V.M., tekhn. red.

[Water transportation of lumber] Vodnyi transport lesa;
spravochnik. Moskva, Goslesbumizdat, 1963. 560 p.
(MIRA 16:11)

(Lumber--Transportation)

GONIK, A.A.

Method for applying lacquer coatings on the inner surfaces of long pipelines. Nefteprom. delo no. 7:23-24. '63. (MIRA 17:2)

1. Ufimskiy neftyanoy nauchno-issledovatel'skiy institut.

GONIK, A.A.; TIKHOVA, Ye.M.

Corrosion of oil field equipment in reservoir waters and how to
control it. Neft. khoz. 42 no.2:43-48 F '64. (MIRA 17:3)

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000516010020-6

GONIK, A.A.

Corrosion of tanks in the oil fields of Bashkiria and its
control. Neft. khos. 42 no. 3:42-49 Mr '64. (MIRA 17:7)

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000516010020-6"

GONIK, A.A.; KNYAZEV, V.V.

Applying paint and varnish to the inner surface of a pipeline of
great length. Transp. i khran. nefti i nefteprod. no. 9:7-10 '64.
(MIRA 17:10)

1. Ufimskiy neftyanoy nauchno-issledovatel'skiy institut.

KOZHEVNIKOV, A.D.; PINES, M.I.; FORTUNATOV, V.A.; GONIK, A.A.,
nauchn. red.; ISAYENKO, Ye.M., red.

[Basic capital assets in lumber floating] Osnovnye fondy
lesosplava. Moskva, TSentr. nauchno-issl. in-t informa-
tsii i tekhniko-ekon. issledovaniii po lesnoi, tselliulozno-
bumazhnoi, derevoobrabatyvaiushchei promyshl. i lesnomu
khoz., 1964. 16 p. (MIRA 18:3)

1. TSentral'nyy nauchno-issledovatel'skiy institut leso-
splava (for Kozhevnikov, Pines).

GONIK, Aleksandr Adol'fovich; KNYAZEV, Vitaliy Vasil'yevich

[Inner insulation of pipelines] Vnudrenniaia izoliatsija
truboprovodov. Moskva, Nedra, 1965. 76 p.

(MIRA 18:7)

(A) L 13080-66 EWT(m)/EWP(j)/T/EWP(t)/EWP(b) JD/WB/WE

ACC NR: AP5028681

SOURCE CODE: UR/0318/65/000/011/0029/0032

AUTHOR: Pogulyay, V. Ye.; Gonik, A. A.; Mikhaylovskiy, I. Ya.

ORG: NIItransneft

TITLE: Corrosion of petroleum tanks and its control in the refineries of Bashkiria

SOURCE: Neftepererabotka i neftekhimiya, no. 11, 1965, 29-32

TOPIC TAGS: corrosion, petroleum refinery equipment, protective coating, epoxide, gas corrosion, storage tank, corrosion rate, metal surface

ABSTRACT: To elucidate the mechanism governing the corrosive attack of the inner surface of a petroleum tank, use was made of a laboratory unit which simulated such corrosion under conditions of condensation and periodic wetting of the metal surface (St. 3 steel) by petroleum products in the presence of moisture, hydrogen sulfide, and atmospheric oxygen. It was found that the maximum corrosion rate takes place in the upper third part of the tank, where the ratio of the frequency of wetting of the wall by petroleum to the time of contact between the surface of the corroding metal and the air-gas mixture is the highest. To reduce the corrosion of the inner surface of the wall, petroleum from the dehydrating and desalting units should be cooled to the temperature of the surrounding air before being collected in the tanks. It is recommended that the inner walls be insulated with nonmetallic (epoxide-base) coatings. Engineer N. M. Samsonova and laboratory technicians I. M. Pinskaya and T. A. Kochankova participated in the experimental work. Orig. art.

has: 3 figures.

Card 1/2

UDC: 621.175:620.197:665.013(470--52)

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000516010020-6

L 13080-66

ACC NR: AP5028681

SUB CODE: 11,13 / SUB DATE: none / ORIG REF: 009 / OTH REF: 002

Card 2/2 HU

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000516010020-6"

PIMENOV, Aleksandr Nikolayevich. Prinimal uchastiye UTKIN, N.A.,
dots.; GONIK, A.A., kand. tekhn. nauk, retsenzent;
FARBER, A.V., inzh., retsenzent; LEEDEV, N.I., red.

[Machines and mechanisms for lumber floating] Mashiny i
mekhanizmy na lesosplave. Izd.2., ispr. i dop. Moskva,
Lesnaia promyshlennost', 1965. 388 p. (MIRA 19:1)

GONIK, A.L.

Result of the local application of hydrocortisone in treating
traumatic and inflammatory lesions of the osteoarticular apparatus
under out-patient conditions. Zdrav. Turk. 7 no.5:14-17 (41)
May '63. (MIRA 16:8)

1. Iz kafedry fakul'tetskoy khirurgii (zav. - dotsent Ch.B.
Bayriyev) Turkmen'skogo gosudarstvennogo meditsinskogo instituta.
(BONES—DISEASES) (JOINTS—DISEASES)
(CORTICOSTERONE)

GONIK, M. Ye., Cand Tech Sci—(diss) "Study of factors which determine
the selection of parameters of dump-trucks-cars for rock ^smeta." Lem, 1958.
18 pp (Min of Higher Education USSR: Len Order of Lenin and Order of ~~Red~~
Labor Red Banner Mining Inst im G.V. Plekhanov), 100 copies (KL,30-58,127)

- 72 -

GONIK, M.Ye.

Most satisfactory parameters of dump cars for open pit mining.
Zap.Len.gor.inst. 3 no.1:256-264 '58. (MIRA 12:4)
(Dumping appliances) (Strip mining)

KAL'NITSKIY, Ya.B., kand.tekhn.nauk; GONIK, M.Ye., kand.tekhn.nauk; SOBOL', A.V., gornyy inzh.; GULEVITSKIY, Yu.D., gornyy inzh.

"Self-propelled equipment in mines", by M.P. Mochalin and V.A. Zvezkov. Reviewed by IA.B. Kal'nitskiy and others. Gor. zhur. no.7:79-80 JL '62. (MIRA 15:7)

1. Gosudarstvennyy institut po proyektirovaniyu predpriyatiy nikellevoy promyshlennosti, Leningrad.
(Mining machinery) (Mochalin M.P.) (Zvezkov, V.A.)

GONDIK, S.L.

USSR

New design of a microscope. Mashinostroitel' no.9:26
S '62. (MIRA 15:9)
(Microscope)

ROBINSON, Ye.A.; GRISHINA, O.N.; MUKHAMEDOVA, L.A.; URMANCHEYEV, F.A.;
IZMAYLOV, R.I.; BONCHER, L.Ye.; KASHAYEV, S.-Kh.G.; AMIRKHANOVA,
N.G.; GONIK, V.K.; BAYBUROVA, M.Kh.; NECHAYEVA, M.A.

Petroleum of the Tatar A.S.S.R. Izv. Kazan. fil. AN SSSR. Ser. khim.
nauk no. 4:93-113 '57. (MIRA 12:5)
(Tatar A.S.S.R.--Petroleum)

5 (3)
AUTHORS:

Grishina, O. N., Gonik, V. K.

SOV/20-125-4-31/74

TITLE:

Investigation of the Hydrocarbons of the Cyclohexane- and Decalin Series in the ~~Kerosene~~ of the Bavlinskaya (Devonian) Petroleum (Issledovaniye uglevodorodov ryada tsiklogeksana i dekalina v kerosine bavlinskoy (devonskoy) nefti)

PERIODICAL:

Doklady Akademii nauk SSSR, 1959, Vol 125, Nr 4, pp 803-806
(USSR)

ABSTRACTS:

The present paper is a continuation of previous papers (Refs 1,2) in the field mentioned in the title. The two hydrocarbons mentioned in the title are the main components of the hydrocarbons of most petroleum types. In the course of the research work carried out by the Institut nefti AN SSSR (Petroleum Institute AS USSR) it was found how the groups of naphthene hydrocarbons of the cyclohexane and decalin series are composed (Refs 3, 4). In the ~~kerosene~~ of the Romashkinskaya and Tuymazinskaya petroleum several hexahydroaromatic hydrocarbons were found as well as dihydroazepinaphthene. The present paper deals with the group-composition of secondary aromatic hydrocarbons separated by rectification according to the size of the molecules. The ~~kerosene~~ freed from paraffin and dearomatized

Card 1/4

Investigation of the Hydrocarbons of the Cyclohexane- SOV/20-125-4-31/74
and Decalin Series in the Kerosene of the Bavlinskaya (Devonian) Petroleum

(boiling point 207 - 300°) of the Bavlinskaya petroleum was catalytically dehydrogenized on a platinum-iron-catalyst in 2 fractions. It was found that the catalyst takes up a blue tone with progressing dehydrogenation. This phenomenon can be explained by the well-known formation of products of destructive side reactions (Ref 6). In similar cases azulenes are formed (Refs 6-8). From the kerosene catalyst the authors obtained a blue benzene solution which turned green when exposed to air (Fig 1). Above 270° a transformation of the azulenes into naphthalene hydrocarbons is possible (Ref 10). This has also a certain effect upon the decalin determination of the petroleum fractions. 8% of secondary aromatic hydrocarbons were obtained by the dehydrogenation of the first petroleum fraction (boiling point 207 - 233°). The fractions I - IX (Table 1) were obtained by fractionation. The main part consisted of monocyclic aromatic substances. The fractions I - V have the absorption maxima characteristic of alkyl benzenes. In spite of a similarity with respect to the composition of the groups they contain tetraalkyl-

Card 2/4

Investigation of the Hydrocarbons of the Cyclohexane- SOV/20-125-4-31/74
and Decalin Series in the ~~Fraction~~ of the Bavlinskaya (Devonian) Petroleum

substituted benzenes as well as meta- and para-substituted benzenes and 1,3,5-trialkylbenzenes in a larger amount. It is possible that mono-substituted benzenes are present (Fraction IV). From fraction VI onwards the total intensity of the spectra increases, covering the absorption range of alkyl benzenes from fraction VIII onwards. α - and β -methyl naphthalenes do appear. Fraction IX contains only ethyl naphthalenes. Fraction II was divided into 6 close fractions (Table 2). On the basis of these results it may be concluded that the naphthene hydrocarbons of the cyclohexane series have a similar type of substitution within the entire boiling range of petroleum. Ethyl-, dimethyl- and trimethyl naphthalenes are bicyclic aromatic substances (Table 3). B. A. Arbuzov, Academician and R. A. Virobyants, Head of the Petroleum Laboratory of the Institute assisted in the work. There are 3 figures, 3 tables, and 11 references, 6 of which are Soviet.

ASSOCIATION: Khimicheskiy institut Kazanskogo filiala Akademii nauk SSSR
Card 3/4 (Chemical Institute of the Kazan' Branch of the Academy of Sciences USSR)

VIROBYANTS, R.A.; NECHAYEVA, M.A.; GONIK, V.K.

Structural group composition of aromatic hydrocarbons of the
kerosine fraction of Bavly petroleum. Izv.Kazan.fil. AN SSSR.
Ser.khim.nauk no.6:93-100 '61. (MIRA 16:5)
(Bavly region--Petroleum) (Hydrocarbons)

VIROBYANTS, R.A.; AMIRKHANOVA, N.G.; MARTYNOV, A.A.; NECHAYEVA, M.A.;
GONIK, V.K.

Chemical composition of Bavly petroleum kerosines. Izv.Kazan.fil.
AN SSSR. Ser.khim.nauk no.6:101-115 '61. (MIRA 16:5)
(Bavly region--Petroleum--Analysis) (Kerosine)

S/081/62/000/006/068/117
B149/B108

AUTHORS: Virobyants, R. A., Nechayeva, M. N., Rusetskaya, G. M.,
Gonik, V. K., Amirkhanova, N. G.

TITLE: Sulfur and organic sulfur compounds in the kerosene and
solar oil fractions of petroleum from the Tatarskaya ASSR

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 6, 1962, 527, abstract
6M134 (Sb. "Khimiya seraorgan. soyedineniy, soderzhashchikhnya
v neftyakh i nefteproduktakh. v. 4", M. Gostoptekhizdat,
1961, 113 - 120)

TEXT: The content and nature of organic sulfur compounds (SC) in the
kerosene and solar oil fractions of petroleum in the carbonaceous
Bavlinskoye deposits and in the Devonian deposits (D_I - D_{II}) in the
Minnibayev area of the Romashkino deposits were determined. The SC were
isolated chromatographically on silica gel and Al_2O_3 with subsequent
elution with petroleum ether, CCl_4 , benzene, and ethanol. The sulfur
content in the isolated fractions was determined and their ring structure ✓
Card 1/2

Sulfur and organic sulfur compounds ...

S/081/62/000/006/068/117

B149/B108

calculated from specific dispersion and molecular weight data by the Martin and Sankin method. The structural groups isolated from the Baylinskoye kerosene were vacuum-fractionated with collection of 5% by volume. Chromatographing of the SC concentrate on Al_2O_3 made it possible to isolate fractions with $n^{20}\text{D}$ 1.49 - 1.52 and d_4^{20} 0.93 - 0.97, sulfur content 13.8 - 11.7%, which corresponds to 70 - 80% of SC. The SC content of the kerosene-solar oil fractions of Devonian petroleum deposits varies from 2 to 15% and of carbonaceous deposits from 7.5 to 22%. The SC concentrates isolated from the kerosene-solar oil fractions are of two types: one corresponds to aromatic sulfides (I), the other to thiophanes (II). The ratio of I to II in Devonian petroleum is about 6:1 and in carbonaceous petroleum about 1:1. [Abstracter's note: Complete translation.]

Card 2/2

VARTANIAN, L.S.; GONIKBERG, E.M.

Determination of the thermodynamic constants of ionization of propyl gallates in aqueous solution. Izv. AN SSSR. Ser. khim. no.11:2047-2049 N '63. (MIRA 17:1)

1. Institut khimicheskoy fiziki AN SSSR.

ACCESSION NR: AP4019007

S/0062/64/000/002/0286/0293

AUTHOR: Skibida, I. P.; Gonikberg, E. M.

TITLE: Sequence of products formed by oxidizing ethylbenzene

SOURCE: AN SSSR. Izv. Seriya khimicheskaya, no. 2, 1964, 286-293

TOPIC TAGS: ethylbenzene, ethylbenzene oxidation, ethylbenzene alpha-hydroperoxide, methylphenylcarbinol, acetophenone, kinetics

ABSTRACT: It was established that the succession of interreactions of the original and intermediate materials in initiated ethylbenzene oxidation is the formation of the ethylbenzene alpha-hydroperoxide, its decomposition to form the methylphenylcarbinol, and finally the oxidation of the latter to acetophenone. The kinetics of each step of the oxidation was studied. It was established that acetophenone is the final oxidation product of the reaction and that it is not itself consumed in the reaction. It is formed directly and exclusively from the alcohol.

Card 1/2

ACCESSION NR: AP4019007

The rate of methylphenylcarbinol consumption is greater than the rate of acetophenone formation, indicating the formation of other products (these, however, were not investigated in this study). Orig. art. has: 5 figures and 11 equations.

ASSOCIATION: Insitut khimicheskoy fiziki Akademii nauk SSSR (Institute of Chemical Physics, Academy of Sciences SSSR)

SUBMITTED: 07Nov63 DATE ACQ: 27Mar64 ENCL: 00

SUB CODE: CH NO REF SOV: 006 OTHER: 002

Card 2/2

VARTANYAN, L.S.; GONIKBERG, E.M.; EMANUEL', N.M.

Kinetics of inactivation of lactic dehydrogenase with radical products of propyl gallate autoxidation. Izv. AN SSSR. Ser. khim. no.10:1742-1748 O '64. (MIRA 17:12)

1. Institut khimicheskoy fiziki AN SSSR.

VARTANYAN, L.S.; GONIKBERG, E.M.; EMANUEL', N.M.

Effect of propyl gallate on the kinetic constants of the
enzymatic reduction reaction of sodium pyruvate. Dokl. AN
SSSR 154 no.1:223-225 Ja'64. (MIRA 17:2)

1. Chlen-korrespondent AN SSSR (for Emanuel').

BEREZIN, F.V., inzh. (g.Leningrad); GONTIBERG, I.V., kand.tekhn.nauk
(g.Leningrad); GEL'VIT, Ya.K., inzh. (g.Leningrad); MAZURSKIY,
E.M., inzh. (g.Leningrad); TEP MIKAELYANTS, G.S., inzh. (g.Leningrad)

Useful work on the fundamentals of railroad design ("Fundamentals
of designing railroads with electric and diesel traction" by
G.I. Chernomordik, IU.E. Ryvkin. Reviewed by F.V. Berezin and
others). Zhel.dor.transp. 43 no.6:95-96 Je '61, (MIRA 14:7)
(Railroad engineering) (Chernomordik, G.I.)
(Ryvkin, IU.E.)

PETROV, M.A.; NORMAN, E.A.; VOLODIN, A.P.; DENISOV, V.A.; KOCHKONOGOV, V.P.; BEGAM, L.G.; BARANOV, M.A.; TAVLINOV, V.K.; YENIKEYEV, G.Sh.; BARANOVA, A.I.; KUDRYAVTSEV, G.P.; MALYAVSKIY, B.K.; CHEGODAYEV, N.N.; SURIN, V.S.; GONIKBERG, I.V., retsentent; ENGEL'KE, V.A., retsentent; KHRAPKOV, V.A., retsentent; AL'PERT, G.A., retsentent; ALEKSEYEV, B.N., retsentent; SKLYAROV, A.A., retsentent; ALEKSEYEV, Ye.P., retsentent

[Railroad surveying; reference and methodological handbook] Izyskaniiia zheleznykh dorog; spravochnoe i metodicheskoe rukovodstvo. Moskva, Transport, 1964. 495 p.
(MIRA 18:1)

1. Babushkin. Vsesoyuznyy nauchno-issledovatel'skiy institut transportnogo stroitel'stva.
2. Leningradskiy gosudarstvennyy proyektno-izyskatele'skiy institut Gosudarstvennogo proizvodstvennogo komiteta po transportnomu stroitel'stvu SSSR (for Gonikberg, Engel'ke, Khrapkov).
3. Sibirskiy gosudarstvennyy proyektno-izyskatele'skiy institut Gosudarstvennogo proizvodstvennogo komiteta po transportnomu stroitel'stvu SSSR (for Alekseyev, YeP.).
4. Moskovskiy gosudarstvennyy proyektno-izyskatele'skiy institut Gosudarstvennogo proizvodstvennogo komiteta po transportnomu stroitel'stvu SSSR (for Al'pert).

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000516010020-6

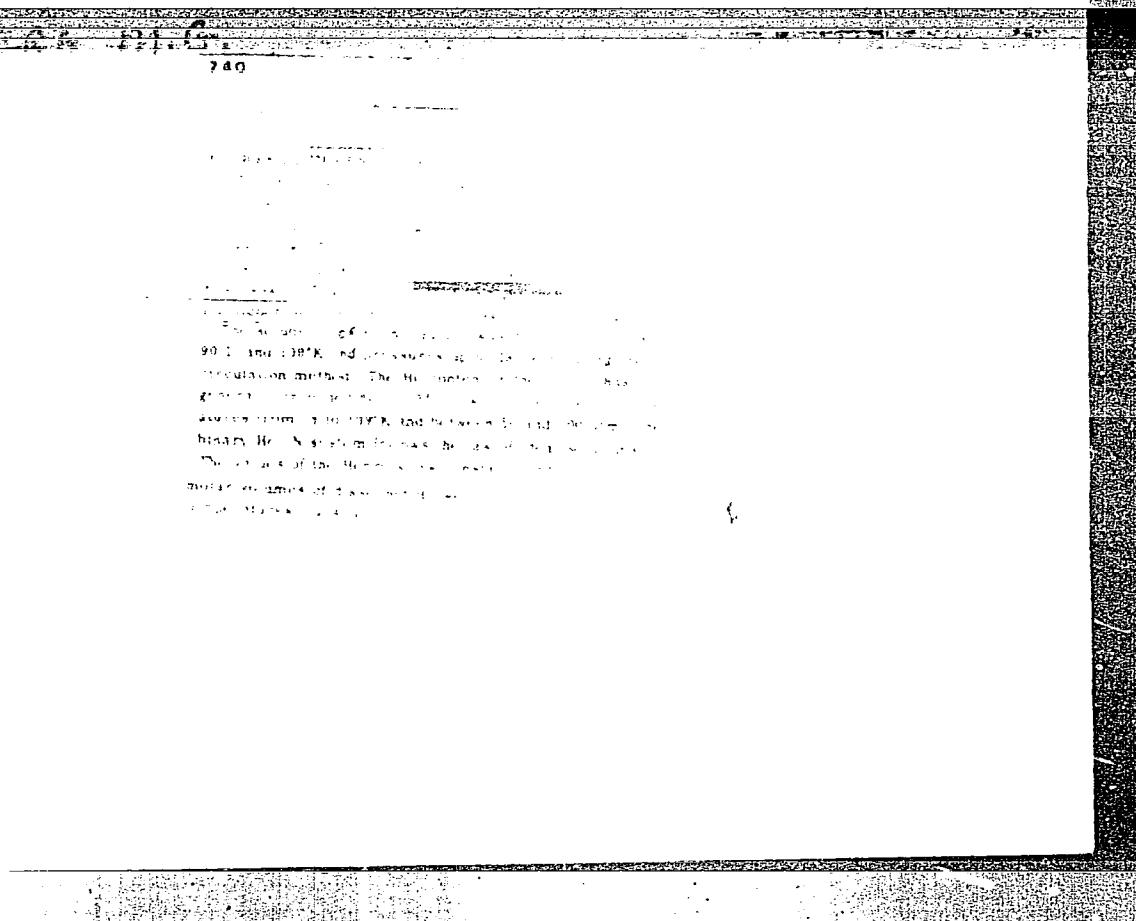
PERATURES OF 13.0 - 103.0°K AND PRESSURES UP TO

INTENSIVE PHASE TRANSITIONS OCCUR, IN CERTAIN PRESSURE

INTERVALS WHICH DEPEND ON THE COMPOSITION OF THE ALLOY.

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Die Löslichkeit von Wasserstoff in Methan und Wasserstoff bei 1000 atm.
Von G. Kritschewsky und M. Gonikberg
Vom Institut für Physikalische Chemie der Universität
und dem Institut für physikalische Chemie der Akademie der Wissenschaften der
Sowjetunion (Sibirische Filiale) und dem Institut für physikalische Chemie
der Universität Leningrad. Translated by S. V. Kostylev
Physicochim. U.R.S.S. 12, 495 (1946).

The solubility of hydrogen in liquid methane at 1000 atm. of the two-phase system H₂-H₂ was determined at 90.3, 110.9, 122.0 and 127.9°K and at pressures from 180 to 230 atm. It was shown that the Henry's law is valid for H₂ in H₂. The values of the Henry's law constants and the molar volumes of dissolved hydrogen at temperatures of 90.3, 110.9 and 127.9°K were calculated. (auth)